

METHODS AND APPARATUS FOR SELECTING BASEBAND FILTER
PASSBAND FREQUENCY AND LOCAL OSCILLATOR FREQUENCIES

Abstract of the Disclosure

In various embodiments, the present invention includes
5 an apparatus that includes a receiver having multiple
tuners. Such multiple tuners may each receive a signal
channel using multiple local oscillator (LO) frequencies
that do not interfere with each other. In certain
embodiments, each tuner may have an associated VCO so that
10 no multiplexer is needed. Also, the present invention
includes methods to determine a minimum bandwidth for
baseband filters of the receiver and an LO step frequency
between different possible LO frequencies.